

CNO's Rapid Innovation Cell San Francisco and Naval Postgraduate School Ideation Event

Date of Trip: 19-23 May, 2014

CRIC Participants

NAME	Job Title
CAPT James Loper	Dept. Head, N9-Concepts and Innovation
CDR Salazar	Chief of Innovation, CRIC, NWDC
LCDR Christian Hernaez (USCG Liaison) LT Ben Kohlmann LT Josh Steinman LT Jackie Kvinsland LT Eric Regnier LT Jason Knudson LT Rollie Wicks Capt. Jerry Lademan LTJG Ian Crone AT1 Richard Walsh Mr. Joshua Kvavle	CNO's Rapid Innovation Cell Team

Trip Report:

20 May

1. CRIC / NPS Student Meet and Greet-
 - a. The CRIC met with 7 NPS students, and discussed their research projects. After talking projects, the CRIC explained CRIC-x and how an NPS student could get involved. Most of the students were interested and asked for further information.
2. CRUSER and NPS Field Experimentation Program (cruser.nps.edu)
 - a. Team was given a tour of the Consortium for Robotics and Unmanned Systems Education and Research (CRUSER) labs. Professors Ray Buettner and Tim Chung guided the CRIC through multiple air and sea-based unmanned vehicle programs, which included a focused discussion on UAV swarming.
3. Cebrowski Institute's Design Studio;
 - a. Cebrowski Institute as a Navy Incubator (Energy, STEM, Rebooting Computing, etc.)- Cebrowski Institute's Sue Higgins and Warren Yu introduced the institute's capacity to be an incubator for the Navy and the CRIC. The Cebrowski Institute has had historic success in hosting innovation seminars and stimulating energy projects, cloud computing, automation, and much more. Cebrowski leaders and the CRIC began discussion on future collaboration between the two groups, to include CRIC attendance of NPS enrichment weeks and inclusion in ideating/generating Cebrowski products.

4. ITACS: The Workflow Success Story (SAAR-N & JIRA)
 - a. This presentation highlighted workflow automation for the Information Technology and Communications Services (ITACS) department at NPS using the JIRA and Confluence technologies. It was suggested that these technologies could help the Navy with personnel, maintenance, and logistics tracking and management.
5. How to Ignite and Sustain Innovation throughout the Navy Enterprise (Heresy 101)
 - a. Dr. Barry Frew, the US Navy's Center for Executive Education Founder and Director led a discussion on how to ignite and sustain innovation throughout the Navy enterprise.

21 May

1. Lunch at LYFE Kitchen (www.lyfekitchen.com)
 - a. The CRIC met with staff of LYFE (Love Your Food Everyday) Kitchen and learned about healthy fast food. LYFE Kitchen was started by former McDonald's executives who wanted to provide a healthy alternative to mainstream fast food options.
2. DAQRI HQ Augmented Reality Engagement (daqri.com)
 - a. CRIC visited DAQRI, an augmented reality (AR) company in Silicon Valley developing educational and industrial applications for AR using existing technology (iPad, iPhone, and Android). The CRIC discussed possible environmental and navigation aid uses for this kind of AR in the Navy.

22 May

1. SailDrone Engagement (www.saildrone.com)
 - a. SailDrone is a small start-up company that specializes in wind-powered LDUUV's. They recently sailed a UUV from San Francisco to Hawaii, in one trip. They are also developing the capability to loiter indefinitely in a 10-20 meter area at sea, under most sea states. The CRIC discussed possible uses the Navy could have for this technology, currently about \$250K per complete system.
2. BMNT Partners // Lunch (<http://bmntpartners.com>)
 - a. BMNT is a Silicon Valley venture capital firm, specializing in technology companies. The CRIC discussed the difference between technology development in the civilian sector and the DOD, and several possible solutions for better interaction and to foster collaboration.
3. Palantir Engagement (www.palantir.com)
 - a. The CRIC discussed Palantir's model: Using computing power to extend human insight to enormous amounts of disparate data. They also discussed a possible project idea to use Palantir to help identify victims of sexual assault within the Navy through pattern recognition using medical and personnel records.
4. Google Ventures (www.gv.com)
 - a. Google Ventures is an off-shoot venture capital firm affiliated with Google. They invest based on the potential of a piece of technology, as opposed to projected profits. The CRIC discussed various entrepreneurial models and best practices from Google Venture's business